ELSEVIER

1 November 1999

Optics Communications 170 (1999) 381–386

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Author index to volume 170

Abdullah, M.K., see Selvakennedy, S. 170 (1999) 247
Ahmad, H., see Selvakennedy, S. 170 (1999) 247
Alshikh Khalil, M., G. Vitrant, P. Raimond, P.A. Chollet and F. Kajzar, Modal dispersion phase-matched frequency doubling in composite planar waveguide using ion-exchanged glass and optically nonlinear poled polymer 170 (1999) 281
Ania-Castañón, J.D., P. García-Fernández, A. Sánchez-Díaz and J.M. Soto-Crespo, Apodized chirped fibre Bragg gratings for dispersion compensation in a 10 Gbit/s IM-DD semiconductor laser system 170 (1999) 373
Arimoto, H., K. Yoshimori and K. Itoh, Passive interferometric 3-D imaging and incoherence gating 170 (1999) 319
Arlt, J., see Lancaster, G.P.T. 170 (1999) 79
Arlt, J., see Monk, S. 170 (1999) 213

Bae, Y.-S., J. Yang, S.-I. Jin, S.-Y. Lee and C.-H. Park, Synthesis of phase encoded mask to improve holographic data storage 170 (1999) 201
Barnes, T.H., see Matsuda, K. 170 (1999) 309
Barnier, F., P.E. Dyer, H.V. Snelling and R.M. De la Rue, Sub-nanometer metrology of chirped phase masks by optical Moiré 170 (1999) 175
Bastys, A., see Sūdžius, M. 170 (1999) 149
Benabid, F., M. Notcutt, L. Ju and D.G. Blair, Rayleigh scattering in sapphire test mass for laser interferometric gravitational-wave detectors:. II: Rayleigh scattering induced noise in a laser interferometric-wave detector 170 (1999) 9
Blair, D.G., see Benabid, F. 170 (1999) 9
Bohn, M.J., R. Jason Jones and J.-C. Diels, Mutual Kerr-lens mode-locking 170 (1999) 85
Boukenter, A., see Goutaland, F. 170 (1999) 235
Boyain y Goitia, A.R., see Monzon-Hernandez, D. 170 (1999) 241

Chan, Y.-C., see Xie, W. 170 (1999) 265
Chen, Y., see Hong, X. 170 (1999) 29
Cheng, B., P. Ni, C. Jin, Z. Li, D. Zhang, P. Dong and X. Guo, More direct evidence of the fcc arrangement for artificial opal 170 (1999) 41
Chi, M., S.X. Dou, Y. Zhu and P. Ye, Wavelength dependence of the effective trap density in Rh-doped $BaTiO_3$: a comparison between theory and experiment 170 (1999) 115
Chi, S., see Tseng, H.-Y. 170 (1999) 229
Cho, K.-M., see Kim, J.-H. 170 (1999) 99
Chollet, P.A., see Alshikh Khalil, M. 170 (1999) 281
Clifford, M.A., see Lancaster, G.P.T. 170 (1999) 79

0030-4018/99/$ - see front matter © 1999 Elsevier Science B.V. All rights reserved.
PII: S0030-4018(99)00568-4

Conroy, R.S., see Lancaster, G.P.T. 170 (1999) 79
Courtial, J., see Monk, S. 170 (1999) 213

Dargys, A., Coherent intervalence transitions of a hole under ultrashort IR pulse excitation 170 (1999) 47
De la Rue, R.M., see Barnier, F. 170 (1999) 175
De Mendonça, J.P.R.F., see Simão, A.G. 170 (1999) 137
Deng, P., see Dong, J. 170 (1999) 255
Denz, C., see Petter, J. 170 (1999) 291
Denz, C., see Schwab, M. 170 (1999) 129
Dholakia, K., see Lancaster, G.P.T. 170 (1999) 79
Diels, J.-C., see Bohn, M.J. 170 (1999) 85
Dong, J., P. Deng and J. Xu, Study of the effects of Cr ions on Yb in Cr,Yb:YAG crystal 170 (1999) 255
Dong, P., see Cheng, B. 170 (1999) 41
Doran, N.J., see Turitsyn, S.K. 170 (1999) 23
Dou, S.X., see Chi, M. 170 (1999) 115
Dyer, P.E., see Barnier, F. 170 (1999) 175

Fabre, C., E.J. Mason and N.C. Wong, Theoretical analysis of self-phase locking in a type II phase-matched optical parametric oscillator 170 (1999) 299
Fallahi, M., see Yeh, W.-H. 170 (1999) 207
Fedoruk, M.P., see Turitsyn, S.K. 170 (1999) 23
Filippov, V.N., see Monzon-Hernandez, D. 170 (1999) 241
Flavin, D.A., R. McBride and J.D.C. Jones, Short-scan interferometric interrogation and multiplexing of fibre Bragg grating sensors 170 (1999) 347
Forysiak, W., see Turitsyn, S.K. 170 (1999) 23

García-Fernández, P., see Ania-Castañón, J.D. 170 (1999) 373
Gavrilovic, P., see Monzon-Hernandez, D. 170 (1999) 241
Gertsvolf, M. and M. Rosenbluh, Injection locking of a diode laser locked to a Zeeman frequency stabilized laser oscillator 170 (1999) 269
Gopal, V., S. Mujumdar, H. Ramachandran and A.K. Sood, Imaging in turbid media using quasi-ballistic photons 170 (1999) 331
Goutaland, F., H. Kuswanto, A. Yahya, A. Boukenter and Y. Ouerdane, High blue power influence on the visible emissions of Er^{3+}-doped germanosilicate optical fibres 170 (1999) 235
Gu, J., see Xie, W. 170 (1999) 265
Guimarães, L.G., see Simão, A.G. 170 (1999) 137
Guo, X., see Cheng, B. 170 (1999) 41

Hirai, A., see Matsumoto, H. 170 (1999) 217
Hirano, Y., N. Pavel, S. Yamamoto, Y. Koyata and T. Tajime, 100-W class diode-pumped Nd:YAG MOPA system with a double-stage relay-optics scheme 170 (1999) 275
Ho, Y.K., see Shu, X. 170 (1999) 111
Hong, X., Y. Chen and J. Lin, Analysis of erasable fiber loop optical buffer 170 (1999) 29
Hsieh, M.-L., K.Y. Hsu, E.-G. Paek and C.L. Wilson, Modulation transfer function of a liquid crystal spatial light modulator 170 (1999) 221
Hsu, K.Y., see Hsieh, M.-L. 170 (1999) 221
Hu, X. and J. Peng, Dynamically irreversible channels of population transfer in coherently driven Λ systems 170 (1999) 259

Ito, S., see Kuroiwa, Y. 170 (1999) 285
Itoh, K., see Arimoto, H. 170 (1999) 319

Jarašiūnas, K., see Sūdžius, M. 170 (1999) 149
Jason Jones, R., see Bohn, M.J. 170 (1999) 85
Jin, C., see Cheng, B. 170 (1999) 41
Jin, S.-I., see Bae, Y.-S. 170 (1999) 201
Jones, J.D.C., see Flavin, D.A. 170 (1999) 347
Ju, L., see Benabid, F. 170 (1999) 9

Kaiser, F., see Petter, J. 170 (1999) 291
Kajzar, F., see Alshikh Khalil, M. 170 (1999) 281
Kaur, J., K. Thyagarajan and B.P. Pal, Estimation of cut-off wavelength of rare earth doped single-mode fibers 170 (1999) 355
Keller, H.-M., S. Pereira and J.E. Sipe, Grating enhanced all-optical switching in a Mach–Zehnder interferometer 170 (1999) 35
Keller, O., see Pudonin, F.A. 170 (1999) 181
Kim, J.-H., K.-R. Oh and K.-M. Cho, Spectral characteristics of optical pulse amplifications with a holding light in semiconductor optical amplifiers 170 (1999) 99
Kochemasov, G.G. and F.A. Starikov, Novel features of phase conjugation at SBS of beams passed through an ordered phase plate 170 (1999) 161
Kondo, Y., see Kuroiwa, Y. 170 (1999) 285
Koyata, Y., see Hirano, Y. 170 (1999) 275
Krätzig, E., see Röwe, M. 170 (1999) 121
Kubo, S., see Sakaguchi, S. 170 (1999) 187
Kuroiwa, Y., N. Sugimoto, Y. Kondo, T. Manabe, S. Ito and A. Nakamura, Quenching treatment for improvement of nonlinear optical response time in high-$\chi^{(3)}$ CuCl-doped glasses 170 (1999) 285
Kuswanto, H., see Goutaland, F. 170 (1999) 235

Lam, Y.-L., see Xie, W. 170 (1999) 265
Lancaster, G.P.T., R.S. Conroy, M.A. Clifford, J. Arlt and K. Dholakia, A polarisation spectrometer locked diode laser for trapping cold atoms 170 (1999) 79
Lee, S.-Y., see Bae, Y.-S. 170 (1999) 201
Li, Z., see Cheng, B. 170 (1999) 41
Liaw, S.-K., see Tseng, H.-Y. 170 (1999) 229
Lin, J., see Hong, X. 170 (1999) 29
Liu, Q. and R. Ohba, The effect of arbitrary small discrepancy between normal directions of grating planes in Talbot interferometry 170 (1999) 193
Lu, P., H. Nakano, T. Nishikawa and N. Uesugi, Demonstration of XUV amplification to the ground state in low-charged nitrogen ions 170 (1999) 71

Mahdi, M.A., see Selvakennedy, S. 170 (1999) 247
Manabe, T., see Kuroiwa, Y. 170 (1999) 285
Mansuripur, M., see Yeh, W.-H. 170 (1999) 207
Mason, E.J., see Fabre, C. 170 (1999) 299
Matsuda, K., T.H. Barnes, B.F. Oreb and C.J.R. Sheppard, Position magnifying sensor 170 (1999) 309

Matsumoto, H. and A. Hirai, A white-light interferometer using a lamp source and heterodyne detection with acousto-optic modulators 170 (1999) 217
McBride, R., see Flavin, D.A. 170 (1999) 347
Minkovich, V.P., see Monzon-Hernandez, D. 170 (1999) 241
Monk, S., J. Arlt, D.A. Robertson, J. Courtial and M.J. Padgett, The generation of Bessel beams at millimetre-wave frequencies by use of an axicon 170 (1999) 213
Monzon-Hernandez, D., A.N. Starodumov, A.R. Boyain y Goitia, V.N. Filippov, V.P. Minkovich and P. Gavrilovic, Stress distribution and birefringence measurement in double-clad fiber 170 (1999) 241
Mujumdar, S., see Gopal, V. 170 (1999) 331

Nakamura, A., see Kuroiwa, Y. 170 (1999) 285
Nakano, H., see Lu, P. 170 (1999) 71
Neumann, J., see Röwe, M. 170 (1999) 121
Ni, P., see Cheng, B. 170 (1999) 41
Nishikawa, T., see Lu, P. 170 (1999) 71
Notcutt, M., see Benabid, F. 170 (1999) 9

Odoulov, S., see Röwe, M. 170 (1999) 121
Oh, K.-R., see Kim, J.-H. 170 (1999) 99
Ohba, R., see Liu, Q. 170 (1999) 193
Oreb, B.F., see Matsuda, K. 170 (1999) 309
Ouerdane, Y., see Goutaland, F. 170 (1999) 235

Padgett, M.J., see Monk, S. 170 (1999) 213
Paek, E.-G., see Hsieh, M.-L. 170 (1999) 221
Pal, B.P., see Kaur, J. 170 (1999) 355
Park, C.-H., see Bae, Y.-S. 170 (1999) 201
Pavel, N., see Hirano, Y. 170 (1999) 275
Peng, J., see Hu, X. 170 (1999) 259
Penner, R.S., see Yeh, W.-H. 170 (1999) 207
Pereira, S., see Keller, H.-M. 170 (1999) 35
Petter, J., C. Weilnau, C. Denz, A. Stepken and F. Kaiser, Self-bending of photorefractive solitons 170 (1999) 291
Ponomarenko, S.A. and E. Wolf, Coherence properties of light in Young's interference pattern formed with partially coherent light 170 (1999) 1
Poopalan, P., see Selvakennedy, S. 170 (1999) 247
Pudonin, F.A., R. Villagomez and O. Keller, Infrared reflectivity and dielectric permeability of ultra-thin Cu and Al films 170 (1999) 181
Purwosumarto, P., see Yin, S. 170 (1999) 15

Raimond, P., see Alshikh Khalil, M. 170 (1999) 281
Ramachandran, H., see Gopal, V. 170 (1999) 331
Robertson, D.A., see Monk, S. 170 (1999) 213
Röder, B., see Rückmann, I. 170 (1999) 361
Rosenbluh, M., see Gertsvolf, M. 170 (1999) 269

Röwe, M., J. Neumann, E. Krätzig and S. Odoulov, Holographic scattering in photorefractive potassium tantalate–niobate crystals 170 (1999) 121
Rückmann, I., A. Zeug, T. von Feilitzsch and B. Röder, Orientational relaxation of pheophorbide-a molecules in the ground and in the first excited state measured by transient dichroism spectroscopy 170 (1999) 361

Saffman, M., see Schwab, M. 170 (1999) 129
Sakaguchi, S. and S. Kubo, Transmission characteristics of multilayer films composed of electro-optic and dielectric materials 170 (1999) 187
Sánchez-Díaz, A., see Ania-Castañón, J.D. 170 (1999) 373
Schwab, M., M. Saffman, C. Denz and T. Tschudi, Fourier control of pattern formation in an interferometric feedback configuration 170 (1999) 129
Selvakennedy, S., M.A. Mahdi, M.K. Abdullah, P. Poopalan and H. Ahmad, Design optimisation of erbium-doped fibre ring laser through numerical simulation 170 (1999) 247
Sheppard, C.J.R., see Matsuda, K. 170 (1999) 309
Shu, X. and Y.K. Ho, Limit-cycle-like oscillation produced by wavelength stabilization feedback in a free-electron laser 170 (1999) 111
Sica, L., Bell's inequalities. I: An explanation for their experimental violation 170 (1999) 55
Sica, L., Bell's inequalities. II: Logical loophole in their interpretation 170 (1999) 61
Simão, A.G., L.G. Guimarães and J.P.R.F. de Mendonça, Electromagnetic stress on resonant light scattering by a cylinder with an eccentric inclusion 170 (1999) 137
Simpson, T.B., Phase-locked microwave-frequency modulations in optically-injected laser diodes 170 (1999) 93
Sipe, J.E., see Keller, H.-M. 170 (1999) 35
Snelling, H.V., see Barnier, F. 170 (1999) 175
Sood, A.K., see Gopal, V. 170 (1999) 331
Soto-Crespo, J.M., see Ania-Castañón, J.D. 170 (1999) 373
Starikov, F.A., see Kochemasov, G.G. 170 (1999) 161
Starodumov, A.N., see Monzon-Hernandez, D. 170 (1999) 241
Stepken, A., see Petter, J. 170 (1999) 291
Sūdžius, M., A. Bastys and K. Jarašiūnas, Optical nonlinearities at transient quenching of *EL2* defect at room temperature 170 (1999) 149
Sugimoto, N., see Kuroiwa, Y. 170 (1999) 285

Tajime, T., see Hirano, Y. 170 (1999) 275
Tam, S.-C., see Xie, W. 170 (1999) 265
Thyagarajan, K., see Kaur, J. 170 (1999) 355
Tschudi, T., see Schwab, M. 170 (1999) 129
Tseng, H.-Y., S.-K. Liaw and S. Chi, Power-equalized parallel-type pump-shared fiber lasers based on parameter-adjustment 170 (1999) 229
Turitsyn, S.K., M.P. Fedoruk, W. Forysiak and N.J. Doran, Dispersion-management in fiber communication lines using Raman amplification 170 (1999) 23

Uesugi, N., see Lu, P. 170 (1999) 71

Villagomez, R., see Pudonin, F.A. 170 (1999) 181
Vitrant, G., see Alshikh Khalil, M. 170 (1999) 281
Von Feilitzsch, T., see Rückmann, I. 170 (1999) 361

Weilnau, C., see Petter, J. 170 (1999) 291
Wilson, C.L., see Hsieh, M.-L. 170 (1999) 221
Wolf, E., see Ponomarenko, S.A. 170 (1999) 1
Wong, N.C., see Fabre, C. 170 (1999) 299

Xie, W., Y.-L. Lam, Y.-C. Chan, S.-C. Tam, J. Gu, F. Zhou, H. Yang and G. Zhao, Fluorescence feedback control of a diode pumped solid state laser 170 (1999) 265
Xu, J., see Dong, J. 170 (1999) 255

Yahya, A., see Goutaland, F. 170 (1999) 235
Yamamoto, S., see Hirano, Y. 170 (1999) 275
Yang, H., see Xie, W. 170 (1999) 265
Yang, J., see Bae, Y.-S. 170 (1999) 201
Ye, P., see Chi, M. 170 (1999) 115
Yeh, W.-H., M. Mansuripur, M. Fallahi and R.S. Penner, Talbot imaging with increased spatial frequency: a technique for replicating truncated self-imaging objects 170 (1999) 207
Yin, S., P. Purwosumarto and F.T.S. Yu, Application of fiber specklegram sensor to fine angular alignment 170 (1999) 15
Yoshimori, K., see Arimoto, H. 170 (1999) 319
Yu, F.T.S., see Yin, S. 170 (1999) 15

Zeug, A., see Rückmann, I. 170 (1999) 361
Zhang, D., see Cheng, B. 170 (1999) 41
Zhao, G., see Xie, W. 170 (1999) 265
Zheng, S.-B., Synthesis of the quantum states of the motion of a trapped ion 170 (1999) 67
Zhou, F., see Xie, W. 170 (1999) 265
Zhu, Y., see Chi, M. 170 (1999) 115

ELSEVIER

1 November 1999

Optics Communications 170 (1999) 387–390

OPTICS COMMUNICATIONS

www.elsevier.com/locate/optcom

Subject index to volume 170

Instructions to authors v

Propagation and scattering

S.A. Ponomarenko and E. Wolf, Coherence properties of light in Young's interference pattern formed with partially coherent light 1

F. Benabid, M. Notcutt, L. Ju and D.G. Blair, Rayleigh scattering in sapphire test mass for laser interferometric gravitational-wave detectors:. II: Rayleigh scattering induced noise in a laser interferometric-wave detector 9

A.G. Simão, L.G. Guimarães and J.P.R.F. de Mendonça, Electromagnetic stress on resonant light scattering by a cylinder with an eccentric inclusion 137

F. Barnier, P.E. Dyer, H.V. Snelling and R.M. De la Rue, Sub-nanometer metrology of chirped phase masks by optical Moiré 175

F.A. Pudonin, R. Villagomez and O. Keller, Infrared reflectivity and dielectric permeability of ultra-thin Cu and Al films 181

S. Sakaguchi and S. Kubo, Transmission characteristics of multilayer films composed of electro-optic and dielectric materials 187

Q. Liu and R. Ohba, The effect of arbitrary small discrepancy between normal directions of grating planes in Talbot interferometry 193

Optical information, image formation and analysis, optical computing

S. Yin, P. Purwosumarto and F.T.S. Yu, Application of fiber specklegram sensor to fine angular alignment 15

Y.-S. Bae, J. Yang, S.-I. Jin, S.-Y. Lee and C.-H. Park, Synthesis of phase encoded mask to improve holographic data storage 201

W.-H. Yeh, M. Mansuripur, M. Fallahi and R.S. Penner, Talbot imaging with increased spatial frequency: a technique for replicating truncated self-imaging objects 207

S. Monk, J. Arlt, D.A. Robertson, J. Courtial and M.J. Padgett, The generation of Bessel beams at millimetre-wave frequencies by use of an axicon 213

0030-4018/99/$ - see front matter © 1999 Elsevier Science B.V. All rights reserved.
PII: S0030-4018(99)00569-6

H. Matsumoto and A. Hirai, A white-light interferometer using a lamp source and heterodyne detection with acousto-optic modulators 217

M.-L. Hsieh, K.Y. Hsu, E.-G. Paek and C.L. Wilson, Modulation transfer function of a liquid crystal spatial light modulator 221

K. Matsuda, T.H. Barnes, B.F. Oreb and C.J.R. Sheppard, Position magnifying sensor 309

H. Arimoto, K. Yoshimori and K. Itoh, Passive interferometric 3-D imaging and incoherence gating 319

V. Gopal, S. Mujumdar, H. Ramachandran and A.K. Sood, Imaging in turbid media using quasi-ballistic photons 331

D.A. Flavin, R. McBride and J.D.C. Jones, Short-scan interferometric interrogation and multiplexing of fibre Bragg grating sensors 347

Optical communications

S.K. Turitsyn, M.P. Fedoruk, W. Forysiak and N.J. Doran, Dispersion-management in fiber communication lines using Raman amplification 23

X. Hong, Y. Chen and J. Lin, Analysis of erasable fiber loop optical buffer 29

H.-M. Keller, S. Pereira and J.E. Sipe, Grating enhanced all-optical switching in a Mach–Zehnder interferometer 35

H.-Y. Tseng, S.-K. Liaw and S. Chi, Power-equalized parallel-type pump-shared fiber lasers based on parameter-adjustment 229

F. Goutaland, H. Kuswanto, A. Yahya, A. Boukenter and Y. Ouerdane, High blue power influence on the visible emissions of Er^{3+}-doped germanosilicate optical fibres 235

D. Monzon-Hernandez, A.N. Starodumov, A.R. Boyain y Goitia, V.N. Filippov, V.P. Minkovich and P. Gavrilovic, Stress distribution and birefringence measurement in double-clad fiber 241

S. Selvakennedy, M.A. Mahdi, M.K. Abdullah, P. Poopalan and H. Ahmad, Design optimisation of erbium-doped fibre ring laser through numerical simulation 247

J. Kaur, K. Thyagarajan and B.P. Pal, Estimation of cut-off wavelength of rare earth doped single-mode fibers 355

Atomic and molecular physics

I. Rückmann, A. Zeug, T. von Feilitzsch and B. Röder, Orientational relaxation of pheophorbide-a molecules in the ground and in the first excited state measured by transient dichroism spectroscopy 361

Condensed matter

B. Cheng, P. Ni, C. Jin, Z. Li, D. Zhang, P. Dong and X. Guo, More direct evidence of the fcc arrangement for artificial opal 41

A. Dargys, Coherent intervalence transitions of a hole under ultrashort IR pulse excitation 47

M. Sūdžius, A. Bastys and K. Jarašiūnas, Optical nonlinearities at transient quenching of *EL2* defect at room temperature 149

J. Dong, P. Deng and J. Xu, Study of the effects of Cr ions on Yb in Cr,Yb:YAG crystal 255

Quantum optics

L. Sica, Bell's inequalities. I: An explanation for their experimental violation 55

L. Sica, Bell's inequalities. II: Logical loophole in their interpretation 61

S.-B. Zheng, Synthesis of the quantum states of the motion of a trapped ion 67

X. Hu and J. Peng, Dynamically irreversible channels of population transfer in coherently driven Λ systems 259

Laser physics and laser sources

P. Lu, H. Nakano, T. Nishikawa and N. Uesugi, Demonstration of XUV amplification to the ground state in low-charged nitrogen ions 71

G.P.T. Lancaster, R.S. Conroy, M.A. Clifford, J. Arlt and K. Dholakia, A polarisation spectrometer locked diode laser for trapping cold atoms 79

M.J. Bohn, R. Jason Jones and J.-C. Diels, Mutual Kerr-lens mode-locking 85

T.B. Simpson, Phase-locked microwave-frequency modulations in optically-injected laser diodes 93

J.-H. Kim, K.-R. Oh and K.-M. Cho, Spectral characteristics of optical pulse amplifications with a holding light in semiconductor optical amplifiers 99

X. Shu and Y.K. Ho, Limit-cycle-like oscillation produced by wavelength stabilization feedback in a free-electron laser 111

W. Xie, Y.-L. Lam, Y.-C. Chan, S.-C. Tam, J. Gu, F. Zhou, H. Yang and G. Zhao, Fluorescence feedback control of a diode pumped solid state laser 265

M. Gertsvolf and M. Rosenbluh, Injection locking of a diode laser locked to a Zeeman frequency stabilized laser oscillator 269

Y. Hirano, N. Pavel, S. Yamamoto, Y. Koyata and T. Tajime, 100-W class diode-pumped Nd:YAG MOPA system with a double-stage relay-optics scheme 275

J.D. Ania-Castañón, P. García-Fernández, A. Sánchez-Díaz and J.M. Soto-Crespo, Apodized chirped fibre Bragg gratings for dispersion compensation in a 10 Gbit/s IM-DD semiconductor laser system 373

Nonlinear optics

M. Chi, S.X. Dou, Y. Zhu and P. Ye, Wavelength dependence of the effective trap density in Rh-doped $BaTiO_3$: a comparison between theory and experiment 115

M. Röwe, J. Neumann, E. Krätzig and S. Odoulov, Holographic scattering in photorefractive potassium tantalate–niobate crystals 121

M. Schwab, M. Saffman, C. Denz and T. Tschudi, Fourier control of pattern formation in an interferometric feedback configuration 129

G.G. Kochemasov and F.A. Starikov, Novel features of phase conjugation at SBS of beams passed through an ordered phase plate 161

M. Alshikh Khalil, G. Vitrant, P. Raimond, P.A. Chollet and F. Kajzar, Modal dispersion phase-matched frequency doubling in composite planar waveguide using ion-exchanged glass and optically nonlinear poled polymer 281

Y. Kuroiwa, N. Sugimoto, Y. Kondo, T. Manabe, S. Ito and A. Nakamura, Quenching treatment for improvement of nonlinear optical response time in high-$\chi^{(3)}$ CuCl-doped glasses 285

J. Petter, C. Weilnau, C. Denz, A. Stepken and F. Kaiser, Self-bending of photorefractive solitons 291

C. Fabre, E.J. Mason and N.C. Wong, Theoretical analysis of self-phase locking in a type II phase-matched optical parametric oscillator 299